

In the Claims:

2. The method according to claim 1 further comprising isolating a sample containing TCR-T cells from said mammal after step (b), and restimulating said sample with the antigen prior to step (c).

3. The method according to claim 1 wherein step (c) comprises monitoring the TCR-T-cell population.

4. The method according to claim 1 wherein step (c) comprises monitoring cytokine production by said TCR-T-cells.

5. The method according to claim 4 wherein the cytokine is at least one member selected from the group consisting of interferon and IL-5.

6. The method according to claim 5 wherein the levels of both IFN- γ and IL-5 are measured.

7. The method according to claim 1 where step(c) comprises monitoring cell-surface markers on TCR T-cells.

8. The method according to claim 1 wherein step (c) comprises assessing an immune response associated with said TCR-T-cells that is indicative of a T-cell helper response.

9. The method according to claim 1 wherein step (c) comprises assessing an immune response associated with said TCR-T-cells that is indicative of a cytotoxic T-cell response.

10. The method according to claim 1 wherein step (c) comprises assessing an immune response associated with said TCR-T-cells that is indicative of a memory T-cell response.

11. A method of monitoring a T-cell helper response comprising
(a) administering nucleic acid encoding an antigen to a mammal having had transferred thereto T-cells expressing a T-cell receptor for said antigen (TCR-T-cells);